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(54) Title: POWDER COATING AND PROCESS FOR THE PREPARATION OF THIN LAYERS IN THE MANUFACTURE OF PRINTED CIRCUIT BOARDS

(57) Abstract: The invention relates to a powder coating, an aqueous dispersion based on the powder coating, a process for its preparation and a process for the preparation of coating layers on substrates, inter alia for the preparation of multilayer structures. The process does not require the use of any organic solvents.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 33 095 A (HERBERTS GMBH & CO KG) 18 January 2001 (2001-01-18) claim 1; examples A,B	1-7,11, 13-16, 22-24, 26,27,37
X	US 3 860 557 A (MILLAR JOHN M ET AL) 14 January 1975 (1975-01-14) example 1 column 1, line 10 - line 15 ----- -/--	1-7, 11-16, 22-24, 26,27,37

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 18 657 A (BASF LACKE & FARBEN) 2 January 1997 (1997-01-02) column 6, line 15 - line 45; claims 1-3 -----	1-4, 13-15, 22-24, 26,27, 29-31
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8,11-44(all in part)

Powder coating compositions comprising polymeric i.e. epoxy binder,hardener and coating additives as essential components.Methods for preparing said powder coating and processes for coating substrates with said powder coating.

2. claims: 1(part),9,10,11-44(all in part)

Powder coating compositions comprising nitrogen-containing resin or pre-cursor thereof, hardener and coating additives as essential components.Methods for preparing said powder coating and processes for coating substrates with said powder coating.

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